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(71) Applicant (for all designated States except US): ELEC-  
TRONICS AND TELECOMMUNICATIONS RE-  
SEARCH INSTITUTE [KR/KR]; 161, Gajeong-dong,  
Yuseong-gu, Daejeon 305-350 (KR).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **HONG, Yong-Geun**  
[KR/KR]; #115-903 Hanmaeul Apt., 200-4, Song-  
gang-dong, Yuseong-gu, Daejeon 305-756 (KR). **SHIN,**  
**Myung-Ki** [KR/KR]; #102-603 Expo Apt., 464-1, Jeon-  
min-dong, Yuseong-gu, Daejeon 305-761 (KR). **PARK,**

**Jung-Soo** [KR/KR]; #107-501 Hanmaeul Apt., Song-  
gang-dong, Yuseong-gu, Daejeon 305-756 (KR). **KIM,**  
**Hyoung-Jun** [KR/KR]; #110-1004 Hanul Apt., Sin-  
seong-dong, Yuseong-gu, Daejeon 305-707 (KR). **PARK,**  
**Ki-Shik** [KR/KR]; #101-602 Hanbit Apt., Eoeun-dong,  
Yuseong-gu, Daejeon 305-755 (KR).

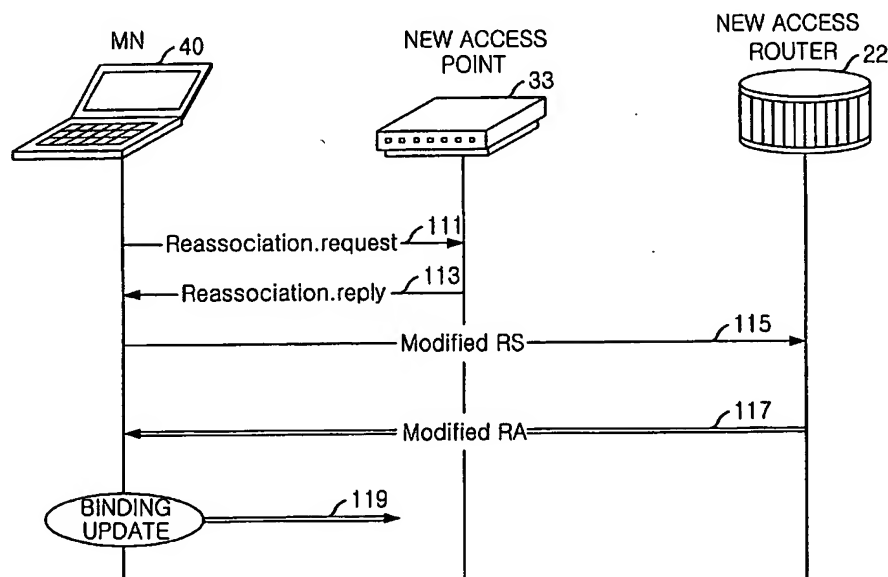
(74) Agent: **SHINSUNG PATENT FIRM**; 2F, Line Bldg.,  
823-30, Yeoksam-dong, Kangnam-ku, Seoul 135-080  
(KR).

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(54) Title: ACCESS ROUTER BASED MOBILE IPV6 FAST HANDOVER METHOD



(57) Abstract: Provided is a mobile IPv6 fast handovers method, which includes the steps of: a) if a mobile node is moved in a layer 2, receiving a modified RS message from a mobile node in the access router; b) detecting movement of the mobile node in a layer 3 in the access router; c) if the mobile node makes a movement in the layer 3, generating CoA of the mobile node in the access router; d) performing Duplicate Address Detection in the access router to inspect uniqueness of the generated CoA; and e) transmitting a modified RA message to the mobile node in the access router. The Fast Handovers method of the present research performs fast movement detection by using layer 2 information simply and efficiently for fast handover in the mobile IPv6 and generates CoA in the access router instead of the mobile node without operations of many additional messages.

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